

BSP-102-A	PRACTICAL PHYSICS-II	L	T	P	Cr.
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Common for B Sc (General, Electronics, Computer Science and Information Technology)

LIST OF EXPERIMENTS:

1. To find the Moment of Inertia of a fly-wheel
2. To find the Moment of Inertia of an irregular body about an axis through its centre of gravity using a torsion pendulum
3. To determine the Surface Tension of water by Jaeger's method
4. To find the Young's modulus of the material of a rectangular bar by bending
5. To determine the Modulus of rigidity of copper by Maxwell's needle
6. To find Elastic constants for the material of a wire by Searle's method
7. To find the co-efficient of Viscosity of water by its flow through a uniform capillary tube
8. To find the co-efficient of Thermal conductivity of a good conductor (copper) by Searle's Method
9. To determine the Mechanical equivalent of Heat by Calando and Barn's method
10. To determine the value of acceleration due to gravity 'g' by bar pendulum
11. To find the co-efficient of thermal conductivity of a bad conductor by Lee's method.

NOTE:

1. Do any eight experiments.
2. The students are required to calculate the error involved in a particular experiment (Percentage error).
3. The practical examination will be held in two sessions of 3 hours.

DISTRIBUTION OF MARKS:

- External Practical Examination: 30 Marks
- Internal Evaluation: 20 Marks
- **Total: 50 Marks**